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	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
PPLICATION NO.		Sherwin S. Chen	BOIE-1-1037	5650
10/019,459	12/26/2001			
Ţ	590 08/18/2003		EXAM	INER
Robert R Richardson Black Lowe & Graham			SWARTHOUT, BRENT	
816 Second Avenue Seattle, WA 98104			ART UNIT	PAPER NUMBER
Souther, Williams			2636	
			DATE MAILED: 08/18/200	3

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary Examiner Brent A Swarthout 2832			Application No.	Applicant(s)				
Brent A Swarthout 2632			10/019,459	chen et al-				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address — Period for Reply) A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3_MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. Extendence of time may be mainly date of this communication. Extendence of time may be mainly date of this communication and the state of the communication of the program of the		Office Action Summary	Examiner	Art Unit				
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Responsive to communication(s) filed on 5-27-0-3 2a	 THE MAILING DATE OF THIS COMMUNICATION. Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). 							
2a) This action is FINAL. 2b This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s)		Responsive to communication(s) filed on 5-2	7-03					
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Application/Control Number: 10/019,459

Art Unit: 2632

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

- (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 1 02 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 2. Claims 1 and 5-7 are rejected under 35 U.S.C. 103(a) as being unpatentable over Wichgers et al in view of Frederick (146).

Wichgers discloses a flight display for aircraft for displaying pictorial representation of aircraft 36 in plane view and or aircraft 48 in profile view, including terrain elevations, except for specifically having width and lengths of specific size and an altitude reference scale. Choosing to have displays represent specific range values would have been obvious, in order to only obtain terrain data relative to a flight path of interest.

Furthermore, Frederick teaches desirability of displaying an altitude scale adjacent a view of aircraft location with respect to terrain elevation (Fig. 3).

It would have been obvious to display altitude scale adjacent a display showing aircraft position with respect to terrain height, in order to allow a pilot to know more specifically how high terrain was in case it was necessary to navigate around it.

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Regarding claims 6-7, choosing a specific range for displays would have been obvious, merely depending on the maneuvering capabilities of the aircraft.

3. Claim 8 is rejected under 35 U.S.C. 103(a) as being unpatentable over Wichgers et al. in view of Frederick (146) and Brame.

Brame teaches desirability of providing an essentially rectangular swath between boundaries t1 and t2 (Fig. 2).

It would have been obvious to use a particular rectangular swath in a system as disclosed by Wichgers and Frederick, since a user would have had greater interest in terrain ahead, instead of to the side of a flight path, since this would have provided further coverage in the direction of movement.

4. Claim 4 is rejected under 35 U.S.C. 103(a) as being unpatentable over Wichgers et al in view of Frederick (146) and Cummings.

Cummings teaches desirability of providing an aircraft icon to the left of the display (Fig.3). It would have been obvious to display an aircraft icon to the left of a display in a system as disclosed by Wichgers and Frederick, in order that a pilot could have observed more features in front of the flight path, as opposed to features beside or behind a path, which would have been of less interest.

5. Claims 9-10 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in

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independent form including all of the limitations of the base claim and any intervening claims.

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Briffe and Morizet disclose aircraft flight display devices.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Brent Swarthout whose telephone number is (703) 305-4383. The examiner can normally be reached on M-F from 6:30am to 4:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Daniel Wu, can be reached on (703) 305-4717. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9314.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-4700.

Brent Swarthout
Typist April Cheeves
Art Unit 2632

BS/ayc

August 12, 2003

BRENT A. SWARTHOUT PRIMARY EXAMINER